

<b>Notice of Allowability</b>	<b>Application No.</b>	<b>Applicant(s)</b>	
	09/753,182	CHILLARIGA ET AL.	
	<b>Examiner</b>	<b>Art Unit</b>	
	Thai D Hoang	2667	

**-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--**

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to 01/02/2001.
2. ☒ The allowed claim(s) is/are 1,3-4,6-7,44-54,8-43,55-57and 59-60, have been renumbered as 1-57 respectively.
3. ☒ The drawings filed on 02 January 2001 are accepted by the Examiner.
4. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
  - a) ☐ All    b) ☐ Some\*    c) ☐ None    of the:
  1. ☐ Certified copies of the priority documents have been received.
  2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

\* Certified copies not received: \_\_\_\_\_.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

**THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.**

5. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
  6. ☐ CORRECTED DRAWINGS ( as "replacement sheets") must be submitted.
    - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review ( PTO-948) attached
      - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date \_\_\_\_\_.
    - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date \_\_\_\_\_.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
7. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

**Attachment(s)**

- |   |  |
|---|--|
| 1. <input checked="" type="checkbox"/> Notice of References Cited (PTO-892)   | 5. <input type="checkbox"/> Notice of Informal Patent Application (PTO-152)            |
| 2. <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)                                | 6. <input type="checkbox"/> Interview Summary (PTO-413),<br>Paper No./Mail Date _____. |
| 3. <input type="checkbox"/> Information Disclosure Statements (PTO-1449 or PTO/SB/08),<br>Paper No./Mail Date _____ | 7. <input checked="" type="checkbox"/> Examiner's Amendment/Comment                    |
| 4. <input type="checkbox"/> Examiner's Comment Regarding Requirement for Deposit<br>of Biological Material          | 8. <input checked="" type="checkbox"/> Examiner's Statement of Reasons for Allowance   |
|   | 9. <input type="checkbox"/> Other _____.   |

## DETAILED ACTION

### EXAMINER'S AMENDMENT

An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Michael J. Willardson on 2<sup>nd</sup> February 2005.

The application has been amended as follows:

*(Currently Amended)*

*cl*  
**Claim 1:** A communications system having multiple access channels, access mode control and a channel allocator for a communication network, said communications system further comprising,

a dynamic allocation unit for controlling allocation of channels to communication units to enable communications units to share channels, said dynamic allocation unit having,

means for specifying a reservation set for reserving channel assignments,

means for specifying an allocation set for receiving said channel assignments,

means for controlling the reservation set and the allocation set based upon system parameters, wherein said communications network operates with PDCH channels formed of radio blocks wherein,

said reservation set is one or more radio downlink blocks of a PDCH channel,

said allocation set is one or more radio blocks of an uplink PDCH channel, and

Art Unit: 2667

wherein said PDCH channels have multiframes of sequential radio blocks  
denominated B0, B1, B2, B3, B4, B5, B6, B7, B8, B9, B 10, B11 wherein said  
reservation set is a downlink B0 block and said allocation set includes uplink blocks B1,  
B2, B3, B4, B5, B6, B7, B8, B9, B10, B11 of a current multiframe and uplink block B0 of  
a next multiframe.

**Claims 2, 5 and 58** have been cancelled.

**Claim 3:** line 1, the statement "Claim 2" has been changed to -- claim 1—

**Claim 6:** line 1, the statement "Claim 2" has been changed to -- claim 1—

**Claim 7:** line 1, the statement "Claim 2" has been changed to -- claim 1—

**Claim 44:** line 1, the statement "Claim 2" has been changed to -- claim 1—

**Claim 59:** line 1, the statement "Claim 58" has been changed to -- Claim 56—

*CP*  
**Claim 56:** <sup>*(Currently Amended)*</sup> In a communications system having multiple access channels, access mode control and a channel allocator for a communication network, said communications system operating with the method comprising,

dynamically controlling allocation of channels to communication units to enable communications units to share channels, said dynamic allocation including,  
specifying a reservation set for reserving channel assignments,  
specifying an allocation set for receiving said channel assignments,  
controlling the reservation set and the allocation set based upon system parameters, wherein said communications network operates with PDCH channels  
formed of radio blocks wherein,

said reservation set is one or more radio blocks of a downlink PDCH channel,

said allocation set is one or more radio blocks of an uplink PDCH channel, and  
wherein said PDCH channels have multiframes of sequential radio blocks  
denominated B0, B1, B2, B3, B4, B5, B6, B7, B8, B9, B 10, B11 wherein said  
reservation set is a downlink B0 block and said allocation set includes uplink blocks B1,  
B2, B3, B4, B5, B6, B7, B8, B9, B10, B11 of a current multiframe and uplink block B0 of  
a next multiframe.

***Allowable Subject Matter***

Claims 1,3-4, 6-7, 44-54, 8-43, 55-57, and 59-60, have been renumbered as 1-57 respectively.

Claims 1-57 are allowed.

The following is an examiner's statement of reasons for allowance:

Oksala, US Patent No. 6,477,151 B1, discloses a method and system called "Packet radio telephone services". Oksala does not teach or fairly suggest the following features, which are recited in each independent claim of the present application:

A communications system having multiple access channels, access mode control and a channel allocator for a communication network, said communications system further comprising,

a dynamic allocation unit for controlling allocation of channels to communication units to enable communications units to share channels, said dynamic allocation unit having,

means for specifying a reservation set for reserving channel assignments,

means for specifying an allocation set for receiving said channel assignments,  
means for controlling the reservation set and the allocation set based upon  
system parameters, wherein said communications network operates with PDCH  
channels formed of radio blocks wherein,

said reservation set is one or more radio downlink blocks of a PDCH channel,  
said allocation set is one or more radio blocks of an uplink PDCH channel, and  
wherein said PDCH channels have multiframes of sequential radio blocks  
denominated B0, B1, B2, B3, B4, B5, B6, B7, B8, B9, B10, B11 wherein said  
reservation set is a downlink B0 block and said allocation set includes uplink blocks B1,  
B2, B3, B4, B5, B6, B7, B8, B9, B10, B11 of a current multiframe and uplink block B0 of  
a next multiframe as recited in claims 1 and 54.

Any comments considered necessary by applicant must be submitted no later  
than the payment of the issue fee and, to avoid processing delays, should preferably  
accompany the issue fee. Such submissions should be clearly labeled "Comments on  
Statement of Reasons for Allowance."

### **Conclusion**

The following references are cited to further show the state of the art with respect  
to the application:

US Patent No. 6,603,825 B1, Pecen discloses "Automatic gain control for a  
receiver and method therefor."

US Patent No. 6,266,330 B1, Jokinen et al. discloses "Dynamic allocation of radio capacity in TDMA system."

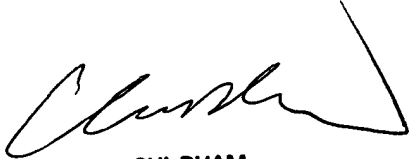
US Patent No. 6,791,944 B1, Demetrescu et al. discloses "Mobile terminal and base station in a packet radio services network."

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Thai D Hoang whose telephone number is (571) 272-3184. The examiner can normally be reached on Monday-Friday 10:00am-18:30pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Chi Pham can be reached on (571) 272-3179. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Thai Hoang

  
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SUPERVISORY PATENT EXAMINER  
TECHNOLOGY CENTER 2600 2/7/05